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TI N-Alkylactams

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SO Ger. Offen., 10 pp.

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PI DE 2025172	A	19710114	DE 1970-2025172	19700523
FR 2048383	A5	19710319	FR 1970-14827	19700423
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AB N-Methyl-.epsilon.-caprolactam (I), its Et analog, or
N-methyl-2-pyrrolidinone were prepd. in 66-98 yield by Al₂O₃-catalyzed
alkylation of the lactams with Me₂O or Et₂O at 300-20.degree.. Thus,
reaction of .epsilon.-caprolactam (II) with Me₂O at 320.degree. in a
tubular reactor contg. Al₂O₃, distn., and recycling unreacted II gave 98 I
(99.5 pure) at 72 II conversion in 2 cycles.

IC C07D

DT Patent

LA German